



## Innovative recycled plastics

- Production of high-quality PCR recycled plastics using patented processes
- Skylonitrile® (rABS) and Skystyrene® (rPS) made from 100% end-of-life vehicles (ELV) and electrical/electronic equipment (WEEE)
- Maximum environmental friendliness: No use of solvents in production
- Customised regranulates precisely tailored to the technical requirements of customers
- Similar technical properties compared to prime material at a competitive price

## Circular economy

- Contribution to a 100% circular economy
- Reduction in carbon footprint compared to conventional or prime products
- Skytech can calculate carbon footprints at the project and item level and issue them officially as certificates

## Savings 1 t of recycled material

- 2 t of CO<sub>2</sub>
- 13 MWh of electricity
- 5,2 cm<sup>3</sup> of water

## Areas of application

**Market segments:** Packaging, E&E, construction, automotive, toys/sports, agriculture

**ABS:** Housings, switches and sockets, electrical housings and panels, toolboxes, vacuum cleaners, toys, small appliances

**PS:** Cosmetic packaging, furniture casters, housings for air conditioners/cleaners, refrigerators/cooling appliances, window profiles, housings for small appliances

## Skytech nomenclature

### Example Skylonitrile rABS25-10BK:

1st digit → **Polymer** = rABS or rPS

2nd digit → 25 **MFI** (g/10 min, 220 °C, 10 kg) ISO 1133

3rd digit → 10 **IZOD** (kJ/m<sup>2</sup>, 23 °C, ISO 180)

4th digit → BK = black

5th digit → ES = With excellent colour and surface stability





## SKYLONITRILE® ABS product portfolio

Product line	Reference	Description	Colour specification
General purpose	SKYLONITRILE® rABS25-10 BK	Standard ABS Standard, medium impact	No
	SKYLONITRILE® rABS25-12 BK		No
High impact	SKYLONITRILE® rABS25-14 BK	High impact Very high impact	No
	SKYLONITRILE® rABS25-16 BK		No
High heat	SKYLONITRILE® rABS20-10 HH103 BK	High heat	No
Extrusion	SKYLONITRILE® rABS10-10 BK	3D filament	No
Aesthetic black	SKYLONITRILE® rABS25-14 BK ES	Aesthetic black / high impact Deep black / very high impact Very deep black Deep black / high impact / high fluidity / odour free	L + Delta L
	SKYLONITRILE® rABS25-16 DBK ES		L + Delta L
	SKYLONITRILE® rABS25-12 VDBK ES		L + Delta L
	SKYLONITRILE® rABS35-18 VDBK Odor Free ES		L + Delta L
Grey	SKYLONITRILE® rABS25-12 GR	Grey, medium impact Grey, very high impact	L
	SKYLONITRILE® rABS25-16 GR		L
Aesthetic grey	SKYLONITRILE® rABS30-14 GR7012 ES	Aesthetic greys close to RAL7012, High flow, high impact	L,a,b + Delta E
	SKYLONITRILE® rABS25-12 GR7035 ES	Aesthetic grey close to RAL7035	L,a,b + Delta E
Light grey	SKYLONITRILE® rABS25-12 LGR	Light grey	L

## SKYSTYRENE® PS product portfolio

Product line	Reference	Description	Colour specification
General purpose	SKYSTYRENE® rPS6-6 BK	Black	No
	SKYSTYRENE® rPS6-8 BK	Black, high impact	No
High impact	SKYSTYRENE® rPS6-10 BK	High impact, black	No
High flow	SKYSTYRENE® rPS10-8 BK	High flow, black	No
Grey	SKYSTYRENE® rPS6-6 GR	Grey	L
Aesthetic grey	SKYSTYRENE® rPS6-10 GR7035 ES	Aesthetic grey, high impact Aesthetic anthracite grey, close to RAL 7016	L,a,b + Delta E L, Delta L
	SKYSTYRENE® rPS6-8 GR7016 ES		
Light grey	SKYSTYRENE® rPS6-6 LGR	Light grey	L
Aesthetic white	SKYSTYRENE® rPS6-8 WH ES	Aesthetic white, high impact	L, Delta L

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